

## CLAIMS

### WHAT WE CLAIM IS:

- 5        1.     A human monoclonal antibody that binds to PDGFD and comprises a heavy chain amino acid sequence selected from the group consisting of SEQ ID NOS: 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 38, 40, 42, 44, 46, and 48.
- 10        2.     The antibody of Claim 1, further comprising a light chain amino acid sequence selected from the group consisting of SEQ ID NOS:14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 39, 41, 43, 45, 47, and 49.
- 15        3.     The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:13 and the light chain amino acid comprises the sequence of SEQ ID NO:14.
- 20        4.     The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:15 and the light chain amino acid comprises the sequence of SEQ ID NO:16.
- 25        5.     The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:17 and the light chain amino acid comprises the sequence of SEQ ID NO:18.
- 30        6.     The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:19 and the light chain amino acid comprises the sequence of SEQ ID NO:20.
- 35        7.     The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:21 and the light chain amino acid comprises the sequence of SEQ ID NO:22.
- 40        8.     The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:23 and the light chain amino acid comprises the sequence of SEQ ID NO:24.
- 45        9.     The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:25 and the light chain amino acid comprises the sequence of SEQ ID NO:26.

10. The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:27 and the light chain amino acid comprises the sequence of SEQ ID NO:28.

11. The human monoclonal antibody of claim 2, wherein the heavy chain 5 amino sequence comprises the sequence of SED ID NO:29 and the light chain amino acid comprises the sequence of SEQ ID NO:30.

12. The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:31 and the light chain amino acid comprises the sequence of SEQ ID NO:32.

10 13. The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:33 and the light chain amino acid comprises the sequence of SEQ ID NO:34.

15 14. The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:35 and the light chain amino acid comprises the sequence of SEQ ID NO:36.

15. The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:37.

20 16. The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:38 and the light chain amino acid comprises the sequence of SEQ ID NO:39.

17. The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:40 and the light chain amino acid comprises the sequence of SEQ ID NO:41.

25 18. The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:42 and the light chain amino acid comprises the sequence of SEQ ID NO:43.

19. The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:44 and the light chain amino acid comprises the sequence of SEQ ID NO:45.

20. The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:46 and the light chain amino acid comprises the sequence of SEQ ID NO:47.

21. The human monoclonal antibody of claim 2, wherein the heavy chain amino sequence comprises the sequence of SED ID NO:48 and the light chain amino acid comprises the sequence of SEQ ID NO:49.